**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****INFORMATION DISCLOSURE STATEMENT TRANSMITTAL**

Inventor's Application of:  
For: **PATENT**  
Serial No.:  
Filed:

Vinod Sharma  
COMPOSITIONS AND METHOD FOR TREATING CARDIAC DYSFUNCTION  
10/626,159  
July 24, 2003

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8:** I hereby certify that this **INFORMATION DISCLOSURE STATEMENT** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 2<sup>nd</sup> day of February, 2005.

*Tyanne Pauluik*  
\_\_\_\_\_  
Signature  
Tyanne Pauluik  
\_\_\_\_\_  
Printed Name

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Information Disclosure Statement
- ☒ PTO FORM 1449
- ☒ Copies cited foreign references
- ☒ Return Postcard

**FEE CALCULATION**

- ☒ \$ 00.00 Pursuant to 37 CFR §1.97(b) (before mailing of first Office Action)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification (cited in foreign application not more than 3 months earlier)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(c) without Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(d) with Certification
- ☐ Applicant hereby petitions for a \_\_\_\_\_ months' extension of time. If an additional extension of time is required, please consider this petition therefor.
- ☐ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

Date

*2/2/05*

*[Signature]*  
\_\_\_\_\_  
Daniel G. Chapik  
Reg. No. 43,424  
Telephone: (763) 514-3066  
Customer No. 27581

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicant(s): Vinod Sharma

) Art Unit: 3762

Serial No.: 10/626,169

) Examiner:

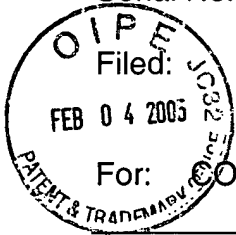
Filed: July 24, 2003

) Docket: P-11275.00

Conf No: 9695

For: COMPOSITIONS AND METHOD FOR TREATING CARDIAC DYSFUNCTION

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date: 2/7/05

By: [Signature]

Daniel G. Chapik

Reg. No. 43,424

Telephone: (763) 514-3066

Customer No. 27581

FORM PTO-1449  (Rev. 2-32)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.:  P-11275.00	SERIAL NO:  10/626,159
	APPLICANT: Vinod Sharma	
	FILING DATE: July 24, 2003	GROUP: 3762

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE ISSUED	INVENTOR NAME	U.S. CLASS	U.S. SUB- CLASS	FILING DATE IF APPROPRIATE
	AA	6,214,620	04/10/2001	Johns et al.	435	455	
	AB	2002/0155101		J. Kevin Donahue et al.	424	93.21	10/24/2002

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE PUBLICATION	COUNTRY	INT. CLASS	INT. SUB- CLASS	TRANSLATION	
							YES	NO
	AC	WO 02/087419 A2	02.11.2002	WO	A61B			
	AD	WO 02/098286 A2	12.12.2002	WO	A61B			
	AE	WO 98/02150	22.01.1998	WO	A61K	31/100		
	AF	WO 02/19966 A2	14.03.2002	WO	A61K			

## OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

AG	Schram, G. et al., "Differential distribution of Cardiac Ion Channel Expression as a Basis for Regional Specialization in Electrical Function". <i>Circ Res.</i> 2002; 90:939-50
AH	Schorosky, SR et al., "Calcium Currents and Arrhythmias: Insights From Molecular Biology." <i>Am J Med.</i> 2001;110:127-40
AI	Beguin, P et al., "Regulation of Ca <sup>2+</sup> Channel Expression at the Cell Surface by the Small G-Protein Kir/Gem.", <i>Nature</i> , 2001;411:701-6
AJ	Priori, SG et al, "From Catheters to Vectors: The Dawn of Molecular Electrophysiology". <i>Nat Med.</i> 2000;6:131-8
AK	Miake, J et al, "Biological Pacemaker Created by Gene Transfer." <i>Nature</i> 002;419:132-3
AL	Balser, JR. "Structure and Function of the Cardiac Sodium Channels." <i>Cardiovasc Res.</i> 1999;42:327-38
AM	Cribbs, LL et al., "Cloning and Characterization of Alpha 1 H From Human Heart, a Member of the T-type Ca <sup>2+</sup> Channel Gene Family." <i>Circ Res.</i> 1998;42:327-38
AN	Ishii, TM et al. "Molecular Characterization of the Hyperpolarization-Activated Cation Channel in Rabbit Heart Sinoatrial Node." <i>J Biol Chem.</i> 1992;274:12835-9

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.